

CTR Employer Survey Report

Thank you for completing your Commute Trip Reduction survey. This report contains the survey results.

Employer Id : E85399

Participation : CTR

Employer : The Boeing Company

Status : Affected

Worksite : The Boeing Company - Longacres

Survey Type : Online

Street : 15470 S Nelson Pl S

Response Rate : 59%

Jurisdiction : City of Renton

Survey Date : 5/1/2018

Non-Drive Alone & One-Way VMT Rates at this Worksite

Non-Drive Alone Rate : 16.4%

Drive Alone Rate : 83.6%

One-Way VMT per employee : 16.1

Average One-Way distance home to work : 19.0

Employees and Survey Response Information

Reported Total Employees at Worksite: 1,770

Surveys Distributed : 1,315

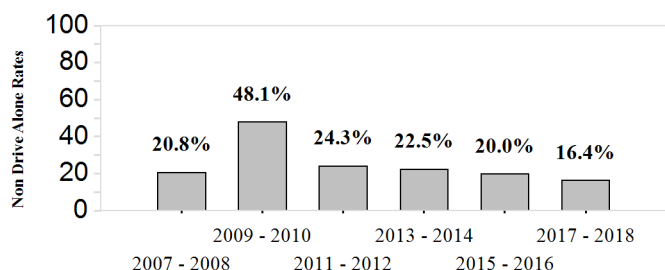
Surveys Returned : 774

Surveys Returned by CTR Affected* Employees : 757

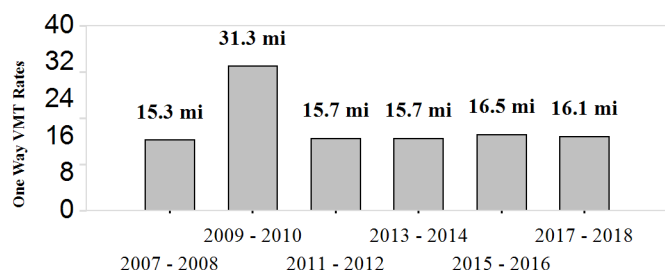
Total Estimated CTR Affected Employees at Worksite : 1,286

*CTR Affected employees filled out the survey as being full-time and commuting (typically) to work at least twice between 6a and 9a, Monday through Friday.

Non Drive Alone Rates - ALL Employees



One Way VMT per Employee - ALL Employees



Site History and Targets

Annual Metric Tons CO₂e Pounds CO₂e

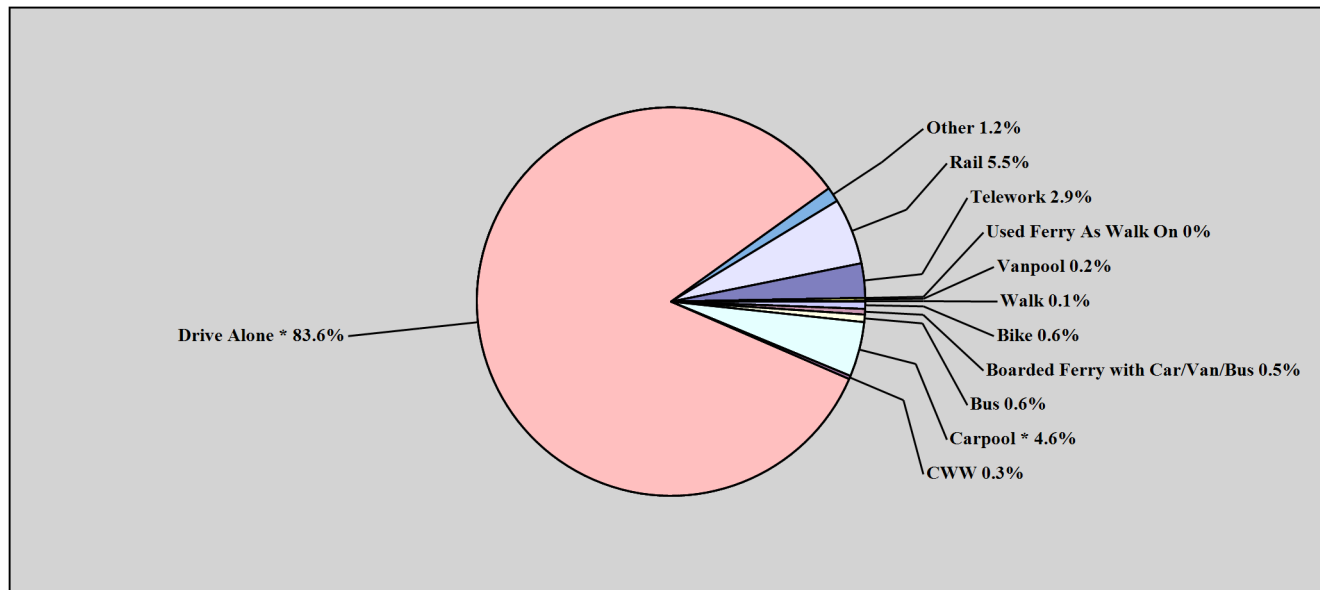
Cycle	Non Drive Alone Rate - All	Non Drive Alone Rate - CTR Affected	Emissions for Surveyed Employees	Estimated Emissions for Total Employment	GHG per Employee's Roundtrip	VMT per Employee - All	VMT per Employee - CTR Affected
2007 - 2008	20.8%	19.0%	4018	5530	27.5	15.3	14.9
2009 - 2010	24.4%	24.4%	3402	5764	28.7	15.6	15.6
2009 - 2010	23.7%	24.4%	2595	5419	27.0	15.7	15.7
2011 - 2012	24.3%	25.0%	1802	6998	34.9	15.7	15.6
2013 - 2014	22.5%	22.9%	2648	5841	29.1	15.7	15.5
2015 - 2016	20.0%	20.5%	3098	4574	22.8	16.5	16.1
2017 - 2018	16.4%	16.4%	2618	5986	29.8	16.1	16.0
Target	29.9%				Target:	12.1	
% Point Change Target:	9.1				% Change Target:	-20.9%	
% Point Change from Baseline:	-4.4				% Change from Baseline:	5.2%	

GHG calculations are based on VMT and estimated total round-trip commutes for all employees. Modes that contribute to GHG include driving alone, carpooling, vanpooling, and riding a motorcycle. The use of other modes (e.g., transit, rail, walking, ferry) do not increase a worksite's GHG calculation. For more information about how GHG is calculated, please contact your jurisdiction's representative.

Commute Trips By Mode - All Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - All Employees



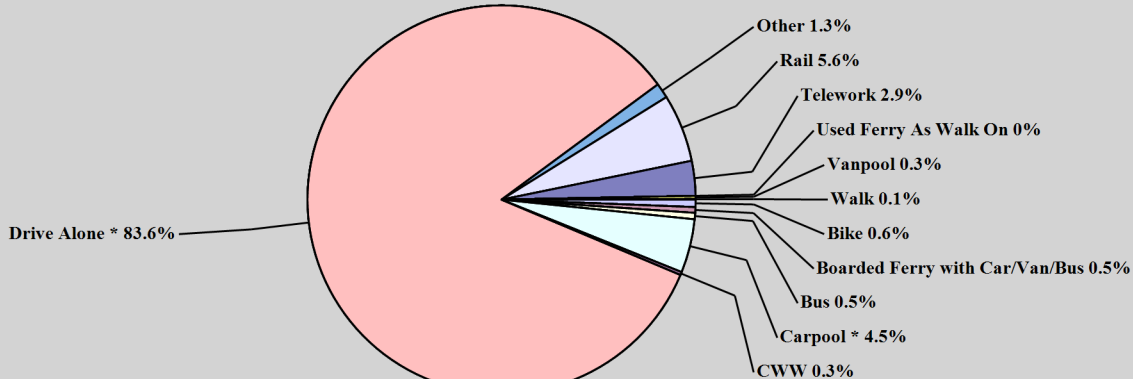
Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	3,061	83.6%	80.0%	690	89.1%	87.7%
Carpool *	167	4.6%	5.4%	54	7.0%	7.5%
Vanpool	9	0.2%	0.7%	4	0.5%	1.2%
Bus	23	0.6%	0.9%	7	0.9%	1.1%
Rail	202	5.5%	6.7%	56	7.2%	8.9%
Bike	22	0.6%	0.5%	9	1.2%	1.2%
Walk	2	0.1%	0.0%	1	0.1%	0.2%
Telework	105	2.9%	3.6%	88	11.4%	13.1%
CWW	10	0.3%	0.3%	10	1.3%	1.4%
Boarded Ferry with Car/Van/Bus	17	0.5%	0.4%	5	0.6%	0.6%
Used Ferry As Walk On	0	0.0%	0.2%	0	0.0%	0.2%
Other	45	1.2%	1.4%	15	1.9%	2.1%

* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

Commute Trips By Mode - Affected Employees

Q.4: Last week, what type of transportation did you use each day to commute TO your usual work location? (Mode used for the longest distance.)

Mode Split - CTR Affected Employees



Mode	Trips During This Survey	% of Trips During This Survey	% of Trips During Previous Survey	Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During This Survey	% of Employees Who Used This Mode at Least Once During Previous Survey
Drive Alone *	2,992	83.6%	79.5%	675	89.2%	87.2%
Carpool *	160	4.5%	5.6%	51	6.7%	7.7%
Vanpool	9	0.3%	0.7%	4	0.5%	1.2%
Bus	19	0.5%	0.9%	6	0.8%	1.1%
Rail	202	5.6%	6.9%	56	7.4%	9.3%
Bike	22	0.6%	0.5%	9	1.2%	1.2%
Walk	2	0.1%	0.0%	1	0.1%	0.2%
Telework	104	2.9%	3.6%	87	11.5%	12.6%
CWW	9	0.3%	0.3%	9	1.2%	1.2%
Boarded Ferry with Car/Van/Bus	17	0.5%	0.3%	5	0.7%	0.6%
Used Ferry As Walk On	0	0.0%	0.2%	0	0.0%	0.2%
Other	45	1.3%	1.4%	15	2.0%	2.1%

* Motorcycle-1 is now included in Drive Alone and Motorcycle-2 is included in Carpool. Information about these trips is still available by request.

Alternative Modes - Number of Employees Who Used a Non-Drive Alone Mode:

Non-Drive Alone Number Of Days	Exactly this # of Employees	Exactly this % of Employees	At least # of Employees	At least % of employees
0 Day	558	72%	774	100%
1 Days	83	11%	216	28%
2 Days	32	4%	133	17%
3 Days	17	2%	101	13%
4 Days	23	3%	84	11%
5 Days	56	7%	61	8%
6 or More Days	5	1%	5	1%

Count by Occupancy of Carpools and Vanpools

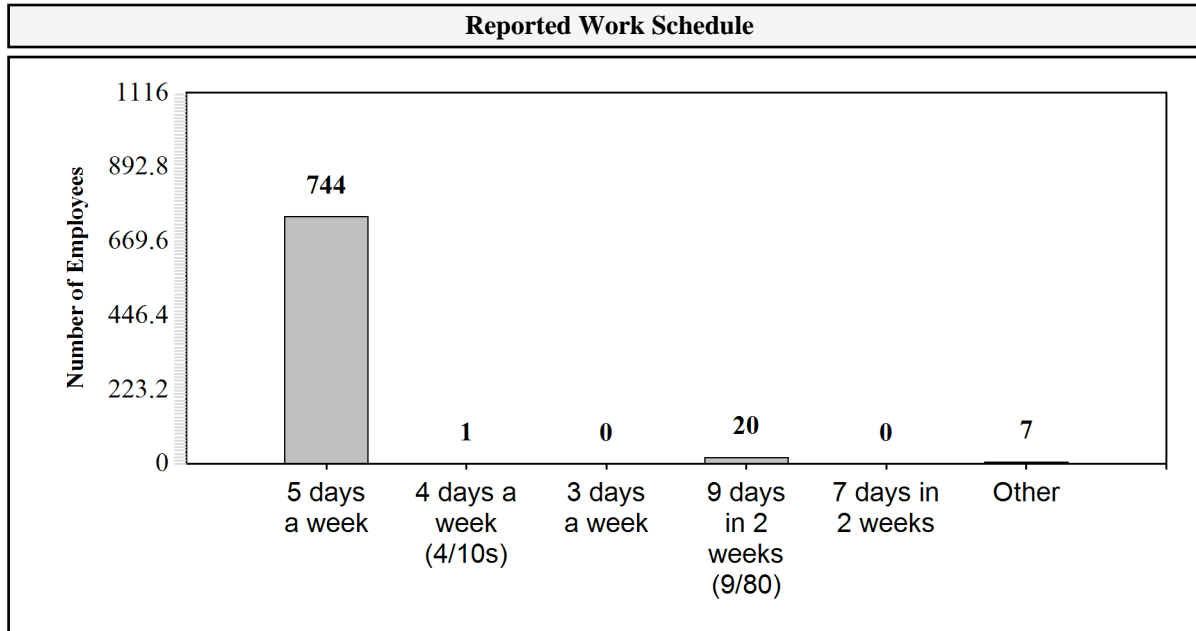
Q.5 If you used a carpool or vanpool as part of your commute, how many people (age 16 or older) are usually in the vehicle?

Ridesharing Occupancy	Mode	Response Count
2*	Carpool	159
3	Carpool	0
4	Carpool	5
5	Carpool	3
>5	Carpool	0
<5	Vanpool	0
5	Vanpool	9
6	Vanpool	0
7	Vanpool	0
8	Vanpool	0
9	Vanpool	0
10	Vanpool	0
11	Vanpool	0
12	Vanpool	0
13	Vanpool	0
14	Vanpool	0
>14	Vanpool	0

* Motorcycle-2 counted with Carpool-2 for this table.

Reported Work Schedule - All Employees

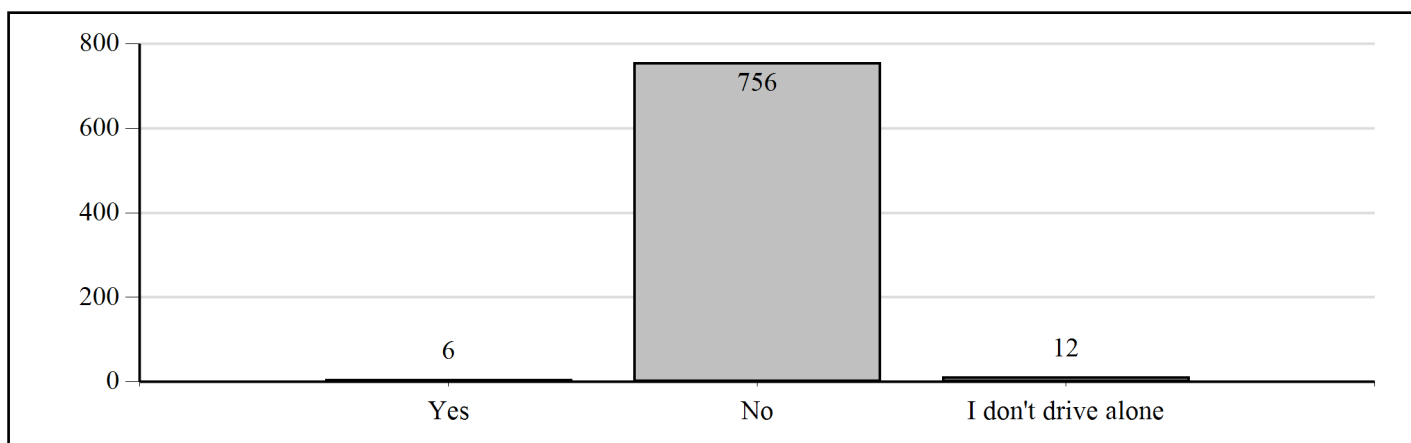
Q.8 Which of the following best describes your work schedule?



Reported Work Schedule	# Of Responses	% Of Employees
5 days a week	744	96.4%
4 days a week (4/10s)	1	0.1%
3 days a week	0	0%
9 days in 2 weeks (9/80)	20	2.6%
7 days in 2 weeks	0	0%
Other	7	0.9%

Parking and Telework

Q.9: On the most recent day that you drove alone to work, did you pay to park? (Mark "yes" if you paid that day, if you prepaid, if you are billed later, or if the cost of parking is deducted from your paycheck.)



Q.10: How many days do you typically telework?

Telework Frequency	# of Responses	% of Responses
No Answer/Blank	0	0.0%
I don't telework	260	33.6%
Occasionally, on an as-needed basis	383	49.5%
1-2 days/month	66	8.5%
1 day/week	47	6.1%
2 days/week	16	2.1%
3 days/week	2	0.3%

Reasons for driving alone to work/not driving alone to work
Q11. When you do not drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
I have the option of teleworking	281	20.2%
To save time using the HOV lane	178	12.8%
Other	164	11.8%
To save money	145	10.4%
Personal health or well-being	138	9.9%
Free or subsidized bus, train, vanpool pass or fare benefit	133	9.6%
Environmental and community benefits	95	6.8%
Financial incentives for carpooling, bicycling or walking.	73	5.3%
Driving myself is not an option	58	4.2%
Emergency ride home is provided	57	4.1%
Cost of parking or lack of parking	42	3.0%
Preferred/reserved carpool/vanpool parking is provided	17	1.2%
I receive a financial incentive for giving up my parking space	8	0.6%

Q12. When you drive alone to work, what are the three most important reasons?

Question Text	# of Responses	% of Responses
Riding the bus or train is inconvenient or takes too long	561	29.4%
I like the convenience of having my car	475	24.9%
Family care or similar obligations	266	13.9%
Other	185	9.7%
My job requires me to use my car for work	138	7.2%
My commute distance is too short	129	6.8%
Bicycling or walking isn't safe	102	5.3%
I need more information on alternative modes	47	2.5%
There isn't any secure or covered bicycle parking	5	0.3%

Commute Mode By ZipCode for All Employees

Q6. What is your home zip code?

Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98042	29	3.75%	136	1	0	0	0	0	0	0	2	1	0	0	0
98059	28	3.62%	133	0	0	0	0	0	0	0	2	0	0	0	0
98038	27	3.49%	116	6	0	1	0	0	2	0	4	1	0	0	0
98056	27	3.49%	109	5	0	1	5	0	1	0	2	1	0	0	2
98058	26	3.36%	108	10	0	0	0	0	0	0	2	0	0	0	0
98075	25	3.23%	98	8	0	0	0	0	0	0	0	0	0	0	0
98092	24	3.10%	83	10	0	0	0	12	0	0	5	0	0	0	0
98116	20	2.58%	97	5	0	0	0	0	0	0	2	0	0	0	0
98027	17	2.20%	78	0	0	0	0	0	0	0	1	0	0	0	0
98029	17	2.20%	76	6	0	0	0	0	0	0	6	0	0	0	0
98006	16	2.07%	67	5	0	0	0	0	4	0	2	1	0	0	0
98055	16	2.07%	70	4	0	0	0	0	0	2	2	0	0	0	1
98034	14	1.81%	60	1	0	0	0	0	0	0	1	0	0	0	0
98103	14	1.81%	58	4	2	3	0	2	0	0	0	0	0	0	0
98166	14	1.81%	70	0	0	0	0	0	0	0	0	0	0	0	0
98136	13	1.68%	54	6	0	0	0	0	0	0	4	0	0	0	0
98391	13	1.68%	26	5	0	0	0	24	0	0	4	0	0	0	1
98001	11	1.42%	36	5	0	0	0	13	0	0	0	0	0	0	2
98033	11	1.42%	45	6	0	0	0	0	0	0	3	0	0	0	0
98115	11	1.42%	41	4	1	0	0	0	0	0	4	0	0	0	7
98052	10	1.29%	41	5	0	0	2	0	0	0	0	0	0	0	0
98004	9	1.16%	37	0	0	0	0	0	4	0	1	0	0	0	0
98030	9	1.16%	34	2	0	3	0	2	0	0	2	0	0	0	0
98032	9	1.16%	43	0	0	0	0	3	0	0	1	0	0	0	0
98122	9	1.16%	29	0	0	0	0	5	0	0	1	0	0	0	0
98422	9	1.16%	38	0	0	0	1	4	0	0	0	0	0	0	1



Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98003	8	1.03%	37	1	0	2	0	0	0	0	0	0	0	0	1
98040	8	1.03%	25	10	0	0	0	0	5	0	0	0	0	0	0
98101	8	1.03%	20	0	0	1	4	4	2	0	1	0	0	0	0
98102	8	1.03%	28	5	0	2	0	2	1	0	2	0	0	0	0
98126	8	1.03%	37	0	0	0	0	0	0	0	2	0	0	0	0
98144	8	1.03%	39	1	0	0	0	0	1	0	1	0	0	0	0
98372	8	1.03%	30	0	0	0	0	9	0	0	1	0	0	0	0
98374	8	1.03%	13	0	0	0	0	14	0	0	0	0	0	0	0
98022	7	0.90%	29	5	0	0	0	0	0	0	1	0	0	0	0
98023	7	0.90%	27	1	0	0	0	1	0	0	0	0	0	0	1
98031	7	0.90%	30	0	0	0	0	0	0	0	0	0	0	0	0
98057	7	0.90%	23	1	0	0	9	0	0	0	1	0	0	0	0
98072	7	0.90%	28	2	0	0	0	0	0	0	0	0	0	0	0
98117	7	0.90%	28	4	0	0	0	0	0	0	1	0	0	0	0
98118	7	0.90%	25	0	0	0	0	0	0	0	1	0	0	0	0
98010	6	0.78%	30	0	0	0	0	0	0	0	0	0	0	0	0
98065	6	0.78%	20	8	0	0	0	0	0	0	1	0	0	0	0
98074	6	0.78%	23	0	0	0	0	0	0	0	2	0	0	0	0
98109	6	0.78%	25	0	0	0	0	5	0	0	0	0	0	0	0
98198	6	0.78%	29	0	0	0	0	0	0	0	0	0	0	0	0
98321	6	0.78%	13	0	0	0	0	8	0	0	3	1	0	0	0
98335	6	0.78%	20	0	0	3	0	2	0	0	4	0	0	0	0
98375	6	0.78%	17	0	0	0	0	8	0	0	0	0	0	0	0
98005	5	0.65%	22	0	0	0	0	0	0	0	2	1	0	0	0
98105	5	0.65%	21	0	3	0	0	1	0	0	0	0	0	0	0
98133	5	0.65%	21	3	0	0	0	0	0	0	0	0	0	0	0
98177	5	0.65%	11	5	0	0	0	0	0	0	0	0	0	0	6
98178	5	0.65%	24	0	0	0	0	0	0	0	1	0	0	0	0
98008	4	0.52%	18	1	0	0	0	0	0	0	2	0	0	0	0



Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98107	4	0.52%	15	0	0	0	0	0	0	0	0	0	0	0	0
98121	4	0.52%	17	0	0	0	0	0	0	0	1	0	0	0	0
98188	4	0.52%	18	0	0	0	0	0	0	0	0	0	0	0	0
98275	4	0.52%	12	4	0	0	0	0	0	0	0	0	0	0	3
98407	4	0.52%	11	0	0	0	0	7	0	0	2	0	0	0	0
98002	3	0.39%	13	0	0	0	0	0	0	0	0	0	0	0	0
98007	3	0.39%	10	0	0	0	0	0	0	0	0	0	0	0	0
98011	3	0.39%	15	0	0	0	0	0	0	0	0	0	0	0	0
98021	3	0.39%	10	0	0	0	0	0	0	0	3	0	0	0	0
98024	3	0.39%	15	0	0	0	0	0	0	0	0	0	0	0	0
98026	3	0.39%	9	2	3	0	0	0	0	0	1	0	0	0	0
98053	3	0.39%	9	5	0	0	0	0	0	0	0	1	0	0	0
98106	3	0.39%	14	0	0	0	0	0	0	0	0	0	0	0	0
98112	3	0.39%	15	0	0	0	0	0	0	0	0	0	0	0	0
98119	3	0.39%	15	0	0	0	0	0	0	0	0	0	0	0	0
98125	3	0.39%	13	1	0	0	0	0	0	0	1	0	0	0	0
98168	3	0.39%	15	0	0	0	0	0	0	0	1	0	0	0	0
98199	3	0.39%	14	0	0	0	0	0	0	0	0	1	0	0	0
98203	3	0.39%	15	0	0	0	0	0	0	0	0	0	0	0	0
98208	3	0.39%	15	0	0	0	0	0	0	0	0	0	0	0	0
98270	3	0.39%	17	0	0	0	0	0	0	0	0	0	0	0	0
98296	3	0.39%	16	0	0	0	0	0	0	0	0	0	0	0	0
98338	3	0.39%	11	0	0	0	0	4	0	0	0	0	0	0	0
98371	3	0.39%	0	5	0	0	0	10	0	0	0	0	0	0	0
98424	3	0.39%	10	0	0	0	0	5	0	0	0	0	0	0	0
98012	2	0.26%	4	0	0	0	0	0	0	0	1	0	0	0	0
98020	2	0.26%	6	0	0	0	0	0	0	0	0	0	0	0	0
98036	2	0.26%	10	0	0	0	0	0	0	0	0	0	0	0	0
98037	2	0.26%	9	0	0	0	0	0	0	0	1	0	0	0	0



Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98104	2	0.26%	10	0	0	0	0	0	0	0	0	0	0	0	0
98146	2	0.26%	9	0	0	0	0	0	0	0	1	0	0	0	0
98148	2	0.26%	9	0	0	0	0	0	0	0	0	0	0	0	0
98155	2	0.26%	7	0	0	0	0	0	0	0	0	0	0	0	0
98258	2	0.26%	6	3	0	0	0	0	0	0	1	0	0	0	0
98272	2	0.26%	9	0	0	0	0	0	0	0	0	0	0	0	2
98290	2	0.26%	5	0	0	2	0	0	0	0	0	0	0	0	0
98312	2	0.26%	3	0	0	0	0	0	0	0	2	0	5	0	2
98359	2	0.26%	5	0	0	0	0	4	0	0	1	0	0	0	0
98366	2	0.26%	2	1	0	0	0	0	0	0	0	0	2	0	5
98367	2	0.26%	1	0	0	0	0	4	0	0	1	0	0	0	4
98387	2	0.26%	4	1	0	0	0	4	0	0	1	0	0	0	0
98406	2	0.26%	3	0	0	1	0	5	0	0	1	0	0	0	0
98408	2	0.26%	2	0	0	0	0	5	0	0	0	0	0	0	0
98465	2	0.26%	4	0	0	0	0	5	0	0	1	0	0	0	0
98466	2	0.26%	5	0	0	0	0	5	0	0	0	0	0	0	0
98467	2	0.26%	6	0	0	0	0	4	0	0	0	0	0	0	0
98597	2	0.26%	9	0	0	0	0	0	0	0	1	0	0	0	0
	1	0.13%	5	0	0	0	0	0	0	0	0	0	0	0	0
75070	1	0.13%	2	0	0	0	0	0	0	0	0	0	0	0	0
98025	1	0.13%	5	0	0	0	0	0	0	0	0	0	0	0	0
98070	1	0.13%	0	0	0	0	0	1	0	0	0	0	4	0	0
98077	1	0.13%	5	0	0	0	0	0	0	0	0	0	0	0	0
98087	1	0.13%	4	0	0	0	0	0	0	0	0	1	0	0	0
98108	1	0.13%	5	0	0	0	0	0	0	0	0	0	0	0	0
98164	1	0.13%	0	0	0	0	0	0	0	0	0	0	0	0	0
98201	1	0.13%	0	0	0	0	0	0	0	0	2	0	0	0	0
98223	1	0.13%	3	0	0	0	0	0	0	0	2	0	0	0	0
98274	1	0.13%	4	0	0	0	0	0	0	0	0	0	0	0	0



Home Zip code	Total Employees	Employee Percentage	Weekly Count of Trips By Mode												
			Drive Alone	Carpool	Vanpool	Motorcycle	Bus	Train	Bike	Walk	Telework	CWW	Ferry (Car/Van/Bus)	Ferry (walk-on)	Other
98277	1	0.13%	3	0	0	0	0	0	0	0	0	0	2	0	0
98328	1	0.13%	4	0	0	0	0	0	0	0	1	0	0	0	0
98333	1	0.13%	0	0	0	0	0	5	0	0	0	0	0	0	0
98360	1	0.13%	5	0	0	0	0	0	0	0	0	0	0	0	0
98370	1	0.13%	0	0	0	0	0	0	0	0	1	0	4	0	0
98373	1	0.13%	0	0	0	0	0	5	0	0	0	0	0	0	0
98390	1	0.13%	0	0	0	0	0	5	0	0	0	0	0	0	0
98403	1	0.13%	0	0	0	0	2	1	2	0	0	0	0	0	0
98404	1	0.13%	5	0	0	0	0	0	0	0	0	0	0	0	0
98405	1	0.13%	4	0	0	0	0	0	0	0	1	0	0	0	0
98418	1	0.13%	5	0	0	0	0	0	0	0	0	0	0	0	0
98443	1	0.13%	5	0	0	0	0	0	0	0	0	0	0	0	0
98445	1	0.13%	1	0	0	0	0	4	0	0	0	0	0	0	0
98446	1	0.13%	5	0	0	0	0	0	0	0	0	0	0	0	0
98498	1	0.13%	5	0	0	0	0	0	0	0	0	0	0	0	0
98499	1	0.13%	5	0	0	0	0	0	0	0	0	0	0	0	0
98516	1	0.13%	0	0	0	0	0	0	0	0	0	0	0	0	7
98528	1	0.13%	5	0	0	0	0	0	0	0	0	0	0	0	0
98802	1	0.13%	5	0	0	0	0	0	0	0	0	0	0	0	0
98922	1	0.13%	4	0	0	0	0	0	0	0	0	1	0	0	0
99206	1	0.13%	0	0	0	0	0	0	0	0	0	0	0	0	0